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WHAT IS CLAIMED IS:

- 1. An image forming apparatus, comprising;
- a photosensitive drum;
- a pivot inserted through a center of the photosensitive drum for rotatably supporting the photosensitive drum; and
- a mass body disposed on the pivot for changing a frequency of the pivot by changing a center of gravity and a shape of the pivot.
- 2. The image forming apparatus of claim 1, wherein the mass body is disposed at a predetermined distance from an inner circumference of the photosensitive drum.
- 3. The image forming apparatus of claim 2, wherein the mass body has a shape which adds an evenly distributed load to the pivot in a longitudinal direction thereof.
- 4. The image forming apparatus of claim 3, wherein the mass body comprises a cylinder.
- 5. The image forming apparatus of claim 2, wherein the center of gravity of the mass body is toward an area where noise and vibration of the photosensitive drum are generated.

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- 6. The image forming apparatus of claim 2, wherein the mass body is made of rubber material.
- 7. The image forming apparatus of claim 1, wherein the mass body is formed integrally with the pivot.
 - 8. The image forming apparatus of claim 1, wherein the mass body has in a shape which adds an evenly distributed load to the pivot in a longitudinal direction thereof.
 - 9. The image forming apparatus of claim 8, wherein the mass body comprises a cylinder.
 - 10. The image forming apparatus of claim 1, wherein the center of gravity of the mass body is toward an area where noise and vibration of the photosensitive drum are generated.
- 1 11. The image forming apparatus of claim 1, wherein the mass body is made of rubber material.

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- 12. In an image forming apparatus, comprising;
- a photosensitive drum; and
- a pivot inserted through a center of the photosensitive drum for rotatably supporting the photosensitive drum;

the improvement wherein a mass body is disposed on, and in surrounding relation to, the pivot of the photosensitive drum for changing a center of gravity and a shape of the pivot.

- 13. In the image forming apparatus of claim 12, wherein the mass body is disposed at a predetermined distance from an inner circumference of the photosensitive drum.
- 14. In the image forming apparatus of claim 12, wherein the mass body add an evenly distributed load to the pivot in a longitudinal direction of the pivot.
- 15. In the image forming apparatus of claim 14, wherein the mass body comprises a cylinder.
- 16. In the image forming apparatus of claim 12, wherein the center of gravity of the mass body is located at a point near to an area where noise and vibration of the photosensitive drum are generated.

- 1 17. In the image forming apparatus of claim 12, wherein the mass body is made of rubber material.
- 18. In the image forming apparatus of claim 12, wherein the mass body is formed integrally with the pivot.
 - 19. In the image forming apparatus of claim 12, wherein the mass body comprises a cylinder.